

BUREAU OF SUGAR EXPERIMENT STATIONS
BRISBANE

THE
CANE GROWERS'
QUARTERLY BULLETIN

ISSUED BY DIRECTION OF THE
HON. H. H. COLLINS, MINISTER
FOR AGRICULTURE AND STOCK

VOLUMES IX AND X

GENERAL INDEX

A. H. TUCKER, Government Printer, Brisbane

The Cane Growers' Quarterly —Bulletin—

VOLUME IX.

Contents.

| | Page. |
|--|-------|
| THE BLUNDELL KNAPSACK INJECTOR, by J. H. Buzacott | 1 |
| INFLUENCE OF WIND ON PLANT GROWTH | 9 |
| SOIL EROSION, by H. W. Kerr | 10 |
| SEVENTH CONFERENCE OF CANE PESTS BOARDS, by Arthur F. Bell .. | 19 |
| SPREAD OF GUMMING DISEASE FROM TRUCKS OF DISEASED CANE .. | 22 |
| NEW SEEDLINGS FOR FIELD TRIAL AT MACKAY | 23 |
| A DOMESTIC SOLAR WATER-HEATING SYSTEM, by G. Bates .. | 24 |
| A CORRECTION | 29 |
| ONE YEAR AFTER THE 1940 BURDEKIN FLOOD, by H. W. Kerr .. | 30 |
| FARMERS' CANE SAMPLES FOR C.C.S. TESTS | 35 |
| Q.25 IN SOUTHERN QUEENSLAND | 36 |
| NEW GREEN MANURE CROPS, by N. J. King | 36 |
| HOW TO OBTAIN BETTER CANE STRIKES, by N. J. King | 39 |
| CANE DISEASE CONTROL BOARDS. SCHOOL OF INSTRUCTION FOR INSPECTORS, by Arthur F. Bell | 43 |
| DANGERS OF TOO-DEEP PLOUGHING | 44 |
| FORTHCOMING PLANTINGS OF Q.25. A WARNING REGARDING MOSAIC DISEASE | 45 |
| PRESERVATION OF PORTABLE RAILS | 46 |
| SOME FARMERS' QUESTIONS AND THEIR ANSWERS, by N. M. Smith .. | 47 |
| PERMITS NECESSARY FOR PLANTING MAIZE IN THE BUNDABERG DISTRICT | 50 |
| FRENCH GRUB ATTACKS, by R. W. Mungomery | 51 |
| PROPOSED ALTERATIONS IN APPROVED VARIETY LISTS | 53 |
| FROST REACTION OF Q.25, by Arthur F. Bell | 54 |
| THE CANE GRUB PEST IN THE MACKAY DISTRICT, by W. A. McDougall | 55 |
| "BADILA SEEDLING" | 57 |
| CROTALARIA USARAMOENSIS—A NEW LEGUME, by J. H. Buzacott .. | 58 |
| THE IDENTIFICATION OF THREE SPECIES OF LEPIDIOTA WHICH ATTACK SUGAR CANE, by J. H. Buzacott | 60 |
| WASHERS FOR BLUNDELL INJECTORS, by George Wilson | 62 |
| MACKAY DISTRICT QUARANTINE AREA | 64 |
| THE PRESENT FERTILIZER POSITION, by H. W. Kerr | 65 |
| APPLICATIONS TO FURTHER RATOON S.J.4 AND CLARK'S SEEDLING IN THE MULGRAVE AREA | 66 |

| | Page. |
|---|-------|
| CANEGROWERS' VARIETAL RETURNS | 66 |
| NEW QUARANTINE CONDITIONS FOR THE MORETON MILL AREA | 66 |
| PROSECUTIONS UNDER THE SUGAR EXPERIMENT STATIONS ACTS .. | 67 |
| "SUSCEPTIBILITY" AND "TOLERANCE" TO MOSAIC DISEASE | 68 |
| CULTURES OF NITROGEN-FIXING BACTERIA FOR THE INOCULATION OF COWPEA SEEDS | 68 |
| FARM FERTILITY TRIALS AND THE WAR-TIME RATIONING OF FERTILIZER SUPPLIES | 69 |

Farm Fertility Trials, 1941 Season—

| | |
|---|----|
| Northern Districts | 71 |
| A. ANICH, Cassowary | 71 |
| RUNGERT AND Co., Japoon | 71 |
| J. CUNNINGHAM, Smithfield | 72 |
| J. GAVRANICH, Cassowary | 73 |
| A. R. MCGREGOR, Wright's Creek | 73 |
| T. F. MALENFANT (late W. E. Grigg), Kamma | 74 |
| WIENERT BROS., Fishery Falls | 75 |
| R. C. ADAMS, Babinda | 75 |
| T. BACALAKIS, Garradunga | 76 |
| C. M. GIBSON, Bombeeta | 77 |
| RURAL SCHOOL, Mossman | 77 |
| C. AND M. GHETTI, Mourilyan | 78 |
| P. C. BENN, El Arish | 79 |
| Central Districts | 80 |
| E. E. MULLER AND SON, Homebush Road, Mackay | 80 |
| GILL AND Co., Rocklea | 80 |
| E. DUNN AND BROS., Calen | 81 |
| C. RASMUSSEN, Erakala | 82 |
| C. J. MCKINLEY, Balnagowan | 82 |
| PETERSEN AND SON, Oakenden | 83 |
| H. BARFIELD, Tannalo | 84 |
| Southern Districts | 84 |
| C. H. KURTH, Sharon, Bundaberg | 84 |
| E. H. REHBEIN, Duneraggan Road, Bundaberg | 85 |
| F. JACOBSEN, Rubyanna Road, Bundaberg | 86 |

Varietal Trials, 1941 Season—

| | |
|--|----|
| INTRODUCTION | 87 |
| A. ANICH, Cassowary, Mossman | 88 |
| CAPRIOGGIO AND FERRARIS, Sawmill Pocket, Edmonton .. | 88 |
| G. F. MOHAMMED, Sawmill Pocket, Edmonton | 89 |
| PROVERA AND Co., Kamma | 89 |
| T. S. CARNE, Meringa | 90 |
| C. H. CARNE, Aloomba | 90 |
| ESTATE OF C. RYAN, Daradgee | 91 |
| H. W. O'BRIEN, Goondi | 91 |
| R. LACAZE, Mundoo, Innisfail | 92 |
| J. JUHAS, South Johnstone | 92 |

GENERAL INDEX.

III.

| | Page. |
|--|-------|
| G. MARANO, Mourilyan | 93 |
| P. MARTURIA, Mourilyan | 93 |
| ALLISON BROS., Midgenoo, Tully | 94 |
| C. MCGOWN, Dumbleton, Farleigh | 94 |
| GILL AND CO., Rocklea, Mackay | 95 |
| R. S. STEVENS, Racecourse | 95 |
| H. M. HINTON, Rosella | 96 |
| PETERSEN AND SON, Oakenden | 96 |
| C. ROWE, Mirani | 97 |
| J. LAWRIE, Sarina | 97 |
| F. C. DAHL, Windermere Road, Bundaberg | 98 |
| C. M. JENSEN, South Kolan | 98 |
| G. AND G. PALU, North Gooburru | 99 |
| E. G. C. EARDLEY, North Gooburru | 99 |
| W. KIRBY AND SON, Rubyanna | 100 |
| H. F. REHBEIN, Sandhills Road, Bundaberg | 100 |
| J. MANDERSON, Gin Gin | 101 |
| H. G. AND E. ASHTON, Maroochy River | 101 |